

Book Review

Open Source Fuzzing Tools

Fred Doyle, Robert Fly, Aciram Jenik, Dave Maynor, Charlie Miller, Yoav Naveh
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Fuzzing, a black-box software technique indicates the program errors and crashes that would expose the security vulnerability. It also describes the feature of testing without the knowledge on source code.

The premier, “ Open Source Fuzzing Tools” with the help of ten chapters such as Introduction to Vulnerability Research, Concept of Fuzzing, Building Fuzzing Environment, Open Source Fuzzing Tools, Commerical Fuzzing Solutions, Integration in development cycle, Standardization and certification, Fuzzer Files, and Code coverage and fuzzing has addressed many significant issues in Fuzzing.

As the bug identification in software becomes a more complex activity, the developers increasingly rely upon tools to detect for which the fuzzing helps. The entire book contains many illustrative examples drawn from a large corpus.

The introductory chapter has given a stimuli by presenting the fundamentals in a simple as well as logic way. This chapter removes the misconceptions about the concept of fuzzing. The chapters are supplemented with many real world examples.

Readers would gain knowledge on finding the testing issues by using simple ways. The book provides a picture of how fuzzing can be integrated in the development cycle. This book describes in clear terms, how fuzzing eliminates buffer overflows, format strings, and other flaws. It helps to understand the developers the ways of building own fuzzers.

We do hope that the readers will develop understanding on the various current issues on fuzzing and set the paths for the future work in the area.

Daisy M Jacobs
Department of Information Science
University of Zululand
Natal, South Africa
daisymjacobs@yahoo.com

Unleashing Web 2.0

From Concepts to Creativity
Gottfried Vossen, Stephan Hagemann
Morgan Kaufman Publishers
Elsevier.
ISBN: 978-0-12-374034-2

The content and technology on web has undergone rapid strides in the last few years. The significance of web perhaps is identified and felt since the evolution of web 2.0. Web 2.0 is now a new kind of platform that integrates many subjects such as computer science, information systems, Education etc.

This comprehensive work on web 2.0 presents the important services and technologies relating to web 2.0, discusses new products and services required to realize and description of the semantic web.

The important units covered in this book include the history of web, the review of technological stream, enabling techniques, frameworks for application development, next generation web and the semantic web. The new breed of applications such as ecommerce, RSS, Wikis and other potential components are addressed in the earlier chapters. The significant mechanisms for web 2.0 services such as Rich Internet applications, network computing and tagging are treated with conceptualization as well as illustrations. This book is supplemented well with discussions on tagging, social web and mapping.

The synergy between the semantic web and web 2.0 is widely discussed in the literature and this premier contributes to such discussions in clear terms.

This book treats the concepts, technology as well as the applications of web 2.0. It will enable the readers to understand and use the web 2.0 tools for different applications.

Daisy M Jacobs
Department of Information Science
University of Zululand
Natal, South Africa
daisymjacobs@yahoo.com